Desert View Power, Inc. an affiliate of

Greenleaf POWER

January 10, 2020
DVP-200002

Mr. David Jones
Air Pollution Control Officer
South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, California 91765-4182

Subject: Monthly Report of Excess Emissions for December 2019

SCAQMD FILE # 100154

Dear Mr. Jones:

Excess emissions summaries for each boiler for December 2019 are attached.

Emission concentration limits (ppm) do not apply during the normal start up and shut down conditions for each boiler. Thus, exceedances within the permit limits during start up and shut down, as defined in the amendment, are not applicable and as such not reportable.

Please call if you have any questions or comments. I can be reached at (916) 596-2503.

Sincerely,

Heath Hildebrand

Plant Manager Greenleaf Power

encl

cc:

Chief, Stationary Source Division

California Air Resources Board

P.O. Box 2815

Sacramento, CA 95814

Director, Air Management Division

Attention: Air-5

U.S. Environmental Protection Agency

75 Hawthorne Street

San Francisco, CA 94105-3901

DESERT VIEW POWER PLANT
EXCESS EMISSIONS REPORT

BOILER #1

December 2019

Hours Operated: 537 hrs

Boiler Number	Quarterly Report Code	Excess Emission number	Date	Limit Exceeded	Duration (hrs)	Reading at 3% O2 Average Value	Reading at 3% O2 Maximum Value	Reading at 3% O2 Permit Limit	Comments
			12/11/2019	Nox lb/hr 3-Hr	1		31	30	O2 wet analyzer inerter failed calibration
			CEMS			**CEMS**			**CEMS**
			12/1/2019	Nox ppm@3%	1				CEM taken out of service for maintenance.
			12/9/2019	Nox ppm@3%	12				CEM taken out of service for maintenance.
			12/13/2019	Nox ppm@3%	6				CEM taken out of service for maintenance.
			12/14/2019	Nox ppm@3%	1				CEM taken out of service for maintenance.
			12/1/2019	Nox lb/mmbtu	1				CEM taken out of service for maintenance.
			12/9/2019	Nox lb/mmbtu	12				CEM taken out of service for maintenance.
			12/13/2019	Nox lb/mmbtu	6				CEM taken out of service for maintenance.
			12/14/2019	Nox lb/mmbtu	1				CEM taken out of service for maintenance.
			12/1/2019	Nox lb/hr	1				CEM taken out of service for maintenance.
			12/9/2019	Nox lb/hr	12				CEM taken out of service for maintenance.
			12/13/2019	Nox lb/hr	6				CEM taken out of service for maintenance.
			12/14/2019	Nox lb/hr	1				CEM taken out of service for maintenance.
			12/1/2019	SO2 ppm@3%	1				CEM taken out of service for maintenance.
			12/9/2019	SO2 ppm@3%	12				CEM taken out of service for maintenance.
			12/13/2019	SO2 ppm@3%	6				CEM taken out of service for maintenance.
			12/14/2019	SO2 ppm@3%	1				CEM taken out of service for maintenance.
			12/1/2019	SO2 lb/mmbtu	1				CEM taken out of service for maintenance.
			12/9/2019	SO2 lb/mmbtu	12				CEM taken out of service for maintenance.
			12/13/2019	SO2 lb/mmbtu	6				CEM taken out of service for maintenance.
			12/14/2019	SO2 lb/mmbtu	1				CEM taken out of service for maintenance.
			12/1/2019	SO2 lb/hr	1				CEM taken out of service for maintenance.
			12/9/2019	SO2 lb/hr	12				CEM taken out of service for maintenance.
			12/13/2019	SO2 lb/hr	6				CEM taken out of service for maintenance.
			12/14/2019	SO2 lb/hr	1				CEM taken out of service for maintenance.
			12/1/2019	CO ppm @3% O2	1				CEM taken out of service for maintenance.
			12/9/2019	CO ppm @3% O2	13				CEM taken out of service for maintenance.
			12/12/2019	CO ppm @3% O2	1				CEM taken out of service for maintenance.
			12/13/2019	CO ppm @3% O2	6				CEM taken out of service for maintenance.
			12/14/2019	CO ppm @3% O2	1				CEM taken out of service for maintenance.
			12/1/2019	CO lb/hr	1				CEM taken out of service for maintenance.
			12/5/2019	CO lb/hr	1				CEM taken out of service for maintenance.
			12/9/2019	CO lb/hr	13				CEM taken out of service for maintenance.
			12/12/2019	CO lb/hr	1				CEM taken out of service for maintenance.
			12/13/2019	CO lb/hr	6				CEM taken out of service for maintenance.
			12/14/2019	CO lb/hr	1				CEM taken out of service for maintenance.

NOTE: 1. The term ALL is used in the Limit Exceeded column to indicate the following: (Nox ppm, Nox lb/hr, Co ppm, Co lb/hr, So2 ppm, & So2 lb/hr)

DESERT VIEW POWER PLANT
EXCESS EMISSIONS REPORT

BOILER #2

December 2019

Hours Operated: 744 hrs

Boiler Number	Quarterly Report Code	Excess Emission number	Date	Limit Exceeded	Duration (hrs)	Reading at 3% O2			Comments
						Average Value	Maximum Value	Permit Limit	
			CEMS			CEMS			CEMS

NOTE: 1. The term ALL is used in the Limit Exceeded column to indicate the following: (Nox ppm, Nox lb/hr, Co ppm, Co lb/hr, So2 ppm, & So2 lb/hr)

DESERT VIEW POWER PLANT
EXCESS EMISSIONS REPORT
STACK
December 2019

Hours Operated: 744 hrs

Boiler Number	Quarterly Report Code	Excess Emission number	Date	Limit Exceeded	Duration (hrs)	Reading at 3% O2			Comments
						Average Value	Maximum Value	Permit Limit	
			CEMS			CEMS			CEMS
			12/5/2019	Opacity 6-min	1.50				CEM taken out of service for maintenance.

NOTE: 1. The term ALL is used in the Limit Exceeded column to indicate the following: (Nox ppm, Nox lb/hr, Co ppm, Co lb/hr, So2 ppm, & So2 lb/hr)

South Coast Air Quality Management District

Form 500-N

Title V - Deviations, Emergencies & Breakdowns

*This written report is in addition to requirements to verbally report certain types of incidents. Verbal reports may be made by calling AQMD at 1-800-288-7664 (1-800-CUT-SMOG) or AQMD enforcement personnel.

Mail To:
SCAQMD
P.O. Box 4941
Diamond Bar, CA 91765-0941

Tel: (909) 396-3385
www.aqmd.gov

Section I - Operator Information

1. Facility Name (Business Name of Operator That Appears On Permit): Desert View Power

2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD): 100154

3. Address: (where incident occurred) 62-300 Gene Welmas Dr. (Street Address)
Mecca (City) CA (State) 92254 (Zip)

4. Mailing Address: (if different from Item 3) Same As Above (Street Address)
(City) (State) (Zip)

5. Provide the name, title, and phone number of the person to contact for further information:

Kevin Lawrence (Name) | Operations Manager (Title) | (760) 262-1644 (Phone #)

Section II - Reporting of Breakdowns, Deviations, and Emergencies

1. This written notification is to report a(n):

Type of Incident	Verbal Report Due*	Written Report Due
a. ☐ Emergency under Rule 3002(g)	Within 1 hour of discovery	Within 2 working days from when the emission limit was exceeded.
b. ☐ Breakdown under:		
☐ Rule 430 (Non-RECLAIM)	For Rules 430 & 2004 - Within 1 hour of discovery.	For Rules 430 & 2004 - Within 7 calendar days after breakdown is corrected, but no later than 30 days from start of the breakdown, unless a written extension is granted.
☐ Rule 2004 (RECLAIM)		
☐ Rule 218 (Non-RECLAIM) [See Rule 218(f)(3)]	For Rule 218 – Within 24 hours or next business day for failure/shutdown exceeding 24 hours	For Rule 218 - With required semi-annual reports.
c. ☒ Deviation with excess emissions [See Title V Permit, Section K, Condition No. 22B]	Within 72 hours of discovery of the deviation or shorter reporting period if required by an applicable State or Federal Regulation.	Within 14 days of discovery of the deviation.
d. ☐ Other Deviation [See Title V Permit, Section K, Condition Nos. 22D & 23]	None	With required semi-annual monitoring reports.

2. The incident was first discovered by: Louie Lopez (Name) on 12/11/2019 (Date) 10:00 (Time) ◉ AM ○ PM

3. The incident was first reported by: Operator #7 (Name of AQMD Staff Person) on 12/11/2019 (Date) 10:16 (Time) ◉ AM ○ PM

a. ◉ Via Phone

b. ○ In Person

Notification Number (Required): 590901

4. When did the incident actually occur? 12/11/2019 (Date) 10:00 (Time) ◉ AM ○ PM

AQMD USE ONLY			
Received By:		Assigned By:	Inspector:
Date/Time Received:		Date/Time Assigned:	Date/Time Received Assignment:
Date Delivered To Team:		Date Reviewed Inspector Report:	Date Inspected Facility:
Team:	Sector:	Breakdown/Deviation Notification No.	Date Completed Report:

Recommended Action: Cancel Notification Grant Relief Issue NOV No. _____ Other: _____

Final Action: Cancel Notification Grant Relief Issue NOV No. _____ Other: _____

5. Has the incident stopped? a. (•) Yes, on: 12/11/2019 (Date) 11:00 (Time) (•) AM ( ) PM b. ( ) No

6. What was the total duration of the incident? 0 (Days) 01 (Hours)

7. For equipment with an operating cycle, as defined in Rule 430 (b)(3)(A), when was the end of the operating cycle during which the incident occurred? 12/11/2019 (Date) 10:00 (Time) (•) AM ( ) PM

8. Describe the incident and identify each piece of equipment (by permit, application, or device number) affected. Attach photos (when available) of the affected equipment and attach additional pages as necessary.

U1 CEM went into cal at 07:40. Upon completion of the cal U1 CEM failed O2 wet calibration. The E/I tech took U1 CEM out of service to perform a single point cal on the O2 wet. U1 did not comeback out of cal until 09:00. This elevated the hour average.

9. The incident may have resulted in a:

a. [X] Violation of Permit Condition(s): EPA Permit CB-OP 99-01 II.A.15

b. [ ] Violation of AQMD Rule(s):

10. What was the probable cause of the incident? Attach additional pages as necessary.

High NOx readings after U1 CEM came out of daily calibration. U1 CEM failed the O2 wet and because of this there was less data to use for hour ending 09:00. That elevated that hour's average to 36.44. The 3 hour average is 30.0 lbs/hr.

11. Did the incident result in excess emissions? ( ) No (•) Yes (Complete the following and attach calculations.)

[ ] VOC _____ lbs [X] NOx 30.800 lbs [ ] SOx _____ lbs [ ] H2S _____ lbs

[ ] CO _____ lbs [ ] PM _____ lbs [ ] Other: _____ lbs _____ pollutant

12. *For RECLAIM facilities Subject to Rule 2004 (i)(3) ONLY:* If excess emissions of NOx and/or SOx were reported in Item 11, do you want these emissions to be counted when determining compliance with your annual allocations?

a. ( ) Yes, for: [ ] NOx [ ] SOx b. ( ) No, for: [ ] NOx [ ] SOx

If box 12(b) above is checked, include all information specified in Rule 2004(i)(3)(B) and (C), as applicable.

13. Describe the steps taken to correct the problem (i.e., steps taken to mitigate excess emissions, equipment repairs, etc.) and the preventative measures employed to avoid future incidents. Include photos of the failed equipment if available and attach additional pages as necessary.

After U1 CEM failed O2 wet our E/I tech performed a single point O2 calibration. Once out of cal the control room operator aised ammonia flow to lower 3-hr average.

14. Was the facility operating properly prior to the incident?

a. (•) Yes b. ( ) No, because:

15. Did the incident result from operator error, neglect or improper operation or maintenance procedures?

a. ( ) Yes b. (•) No, because: It was an equipment breakdown when the wet O2 failed calibration.

16. Has the facility returned to compliance?

a. ( ) No, because:

b. (•) Yes (Attach evidence such as emissions calculations, contemporaneous operating logs or other credible evidence.)

Section III - Certification Statement

I certify under penalty of law that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

For Title V Facilities ONLY: [X] I also certify under penalty of law that that I am the responsible official for this facility as defined in AQMD Regulation XXX.

1. Signature of Responsible Official:	2. Title of Responsible Official:
	Plant Manager
3. Print Name: Heath Hildebrand	4. Date: 12/11/2019
5. Phone #: (760) 262-1600	6. Fax #:

7. Address of Responsible Official:

62-300 Gene Welmas Dr. (Street #) Mecca (City) CA (State) 92254 (Zip)

Colmac Energy

Mecca, CA

Boiler 1 Daily Emissions Report

December 11, 2019

Emission Limits

Daily	*30-Day Rolling*
NOx lbs- 648	NOx lb/mmBtu - 0.3
	SO2 lb/mmBtu - 1.2

Hour	O2%	NOx ppm	NOx ppm @3% O2	NOx lb/mmBtu	NOx lbs	SO2 ppm	SO2 ppm @3% O2	SO2 lb/mmBtu	SO2 lbs	CO ppm	CO ppm @3% O2	CO lb/mmBtu	CO lbs	Process Status
00	8.8	46.0	68.0	0.095	26.13	12.1	17.9	0.035	9.51	10.1	14.9	0.013	3.48	Normal
01	8.7	50.2	73.7	0.103	28.73	13.6	20.0	0.039	10.84	10.5	15.4	0.013	3.64	Normal
02	8.8	43.6	64.5	0.090	24.82	8.5	12.6	0.024	6.70	10.0	14.8	0.013	3.47	Normal
03	9.0	44.4	66.8	0.093	24.82	10.1	15.2	0.029	7.88	10.0	15.0	0.013	3.40	Normal
04	8.8	47.0	69.5	0.097	26.62	12.5	18.5	0.036	9.85	10.0	14.8	0.013	3.44	Normal
05	8.7	48.1	70.6	0.098	27.59	8.0	11.7	0.023	6.37	10.1	14.8	0.013	3.53	Normal
06	8.7	46.5	68.2	0.095	26.11	9.4	13.8	0.027	7.31	10.0	14.7	0.012	3.42	Normal
07	8.6	47.2	68.7	0.096	27.26	16.3	23.7	0.046	13.10	10.0	14.6	0.012	3.52	Normal
08	8.3	51.8	73.6	0.103	36.44	10.9	15.5	0.030	10.64	10.0	14.2	0.012	4.28	Normal
09	8.4	50.5	72.3	0.101	28.59	7.5	10.7	0.021	5.86	11.7	16.8	0.014	3.99	Normal
10	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
11	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
12	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
13	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
14	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
15	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
16	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
17	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
18	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
19	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
20	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
21	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
22	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
23	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
Average	8.7	47.5	69.6	0.097		10.9	16.0	0.031		10.2	15.0	0.013		Normal
Total					277.11				88.06				36.2	
30-Day Rlng				0.091				0.028						
365-Day Rlng									61500					

Boiler 1 Excess Emissions

Colmac Energy

NOx lb/hr 3-Hr Rolling Excess Emissions for 12/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
NOx lb/hr 3-Hr Rolling	12/11/2019 9:00 AM	9:59 AM	1 hour	31.0	31.0	31.0	30	O2 wet analyzer inverter failed	E/I performed a single point calibrabration on the wet O2
Total duration			1 hour						